

WELL NAME: Holopirek #1-31
OPERATOR: Cross Bar Petroleum Inc
LOCATION: Sec 31 Rge 18S Twp 17W
Rush County Kansas
DATE: 03/29/96

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
WELL NAME: Holopirek #1-31
LOCATION : 31-18S-17W, Rush Cty KS
INTERVAL : 3753.00 To 3763.00 ft

DATE 03/27/96
KB 2003.00 ft TICKET NO: 8945 DST #1
GR 1998.00 ft FORMATION: Arbuckle
TD 3763.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	13788			PF Fr. 2102 to 2132 hr
SI 45 Range(Psi)	4400.0	4400.0	4650.0	0.0	0.0	IS Fr. 2132 to 2217 hr
SF 30 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 2217 to 2247 hr
FS 60 Depth(ft)	3755.0	3755.0	3760.0	0.0	0.0	FS Fr. 2247 to 2347 hr

	Field	1	2	3	4	
A. Init Hydro	1821.0	1819.0	0.0	0.0	0.0	T STARTED 1930 hr
B. First Flow	23.0	26.0	0.0	0.0	0.0	T ON BOTM 2100 hr
B1. Final Flow	18.0	18.0	0.0	0.0	0.0	T OPEN 2102 hr
C. In Shut-in	130.0	1127.0	0.0	0.0	0.0	T PULLED 2347 hr
D. Init Flow	25.0	34.0	0.0	0.0	0.0	T OUT 0115 hr
E. Final Flow	25.0	34.0	0.0	0.0	0.0	
F. Fl Shut-in	1122.0	1124.0	0.0	0.0	0.0	
G. Final Hydro	1795.0	1810.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

RECOVERY

Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP
2.00 ft of Clean Oil - 100% oil
3.00 ft of Oil cut mud - 25% oil, 75% mud

TOOL DATA-----
Tool Wt. 0.00 lbs
Wt Set On Packer 22000.00 lbs
Wt Pulled Loose 62000.00 lbs
Initial Str Wt 56000.00 lbs
Unseated Str Wt 58000.00 lbs
Bot Choke 0.75 in
Hole Size 7.88 in
D Col. ID 2.25 in
D. Pipe ID 3.80 in
D.C. Length 248.00 ft
D.P. Length 3512.00 ft

SALINITY 0.00 P.P.M. A.P.I. Gravity 34.00

BLOW DESCRIPTION

Initial Flow -
Weak blow, .25"

Final Flow -
No blow

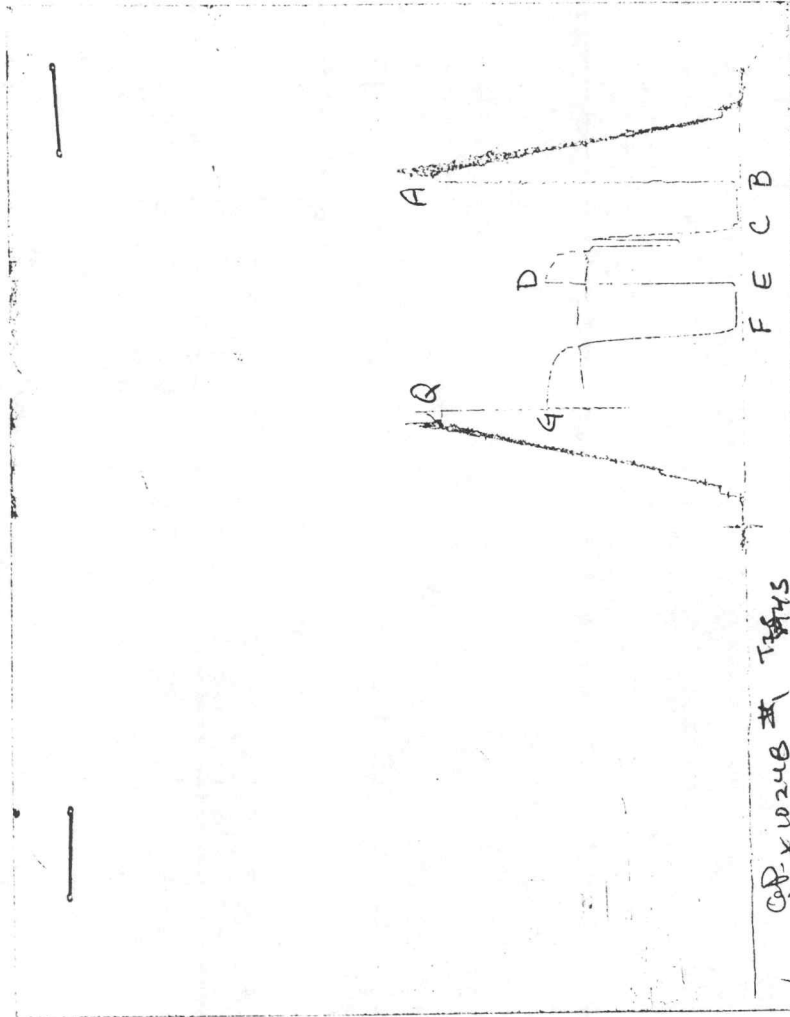
MUD DATA-----
Mud Type Chemical
Weight 9.20 lb/cf
Vis. 45.00 S/L
W.L. 7.00 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 113.00 F
Hole Condition
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out
Tool Chased
Tester Gary Pevoteaux
Co. Rep. Steve Davis
Contr. Mallard JV
Rig # 1
Unit #
Pump T.

SAMPLES:
SENT TO:

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

SAMPLE #	TOTAL FEET	GAS %	FEET	OIL %	FEET	WAT %	FEET	MUD %	FEET
1	2		0	100	2		0		0
2	3		0	25	0.75		0	75	2.25
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	5	0.00	0	55.00	2.75	0.00	0	45	2.25

BBL OIL= 0.0134

BBL WATE 0

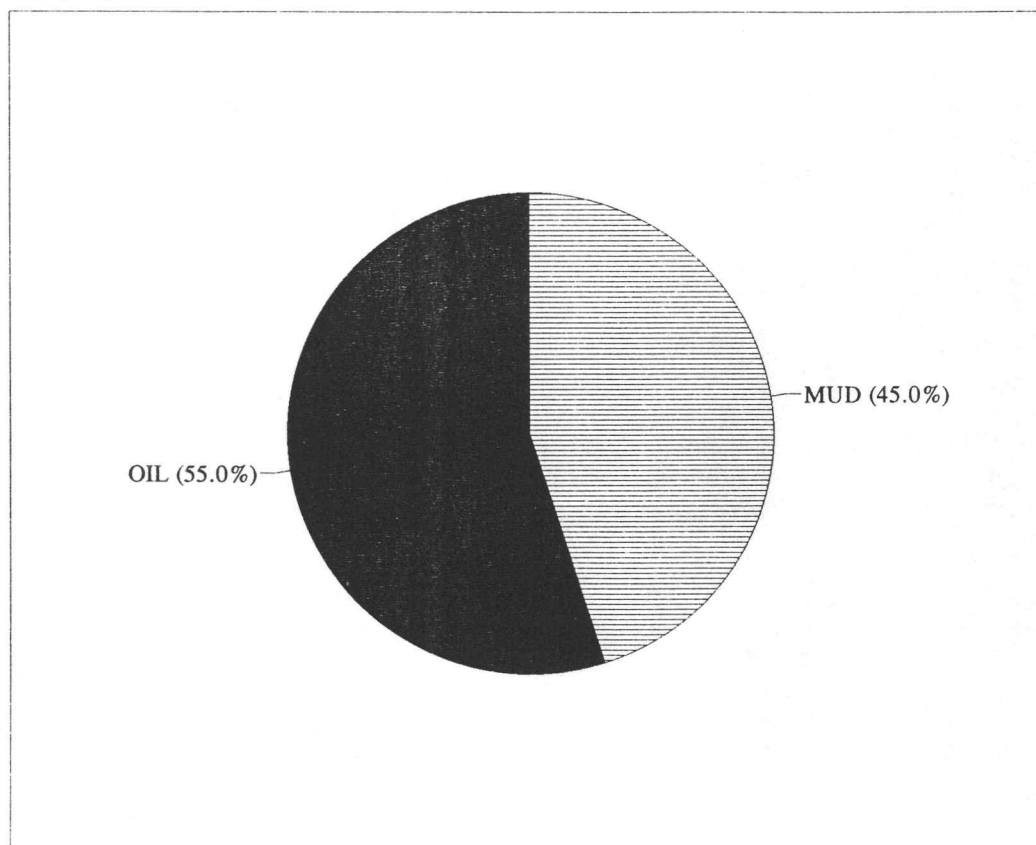
BBL MUD= 0.011

BBL GAS= 0

HRS BBL/DAY

1 0.3227

0



TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
WELL NAME: Holopirek #1-31
LOCATION : 31-18S-17W, Rush Cty KS
INTERVAL : 3764.00 To 3778.00 ft

DATE 3-28-96
KB 2003.00 ft TICKET NO: 8946 DST #2
GR 1998.00 ft FORMATION: ARBUCKLE
TD 3778.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13788	13788	2351			PF Fr. 1003 to 1033 hr
SI 60	Range(Psi)	4650.0	4650.0	4995.0	0.0	0.0	IS Fr. 1033 to 1133 hr
SF 30	Clock(hrs)	AK-1	AK-1	ALPIN			SF Fr. 1133 to 1203 hr
FS 60	Depth(ft)	3775.0	3775.0	3769.0	0.0	0.0	FS Fr. 1203 to 1303 hr

	Field	1	2	3	4	
A. Init Hydro	1793.0	1802.0	1803.0	0.0	0.0	T STARTED 0823 hr
B. First Flow	147.0	147.0	145.0	0.0	0.0	T ON BOTM 1000 hr
B1. Final Flow	251.0	258.0	266.0	0.0	0.0	T OPEN 1003 hr
C. In Shut-in	843.0	839.0	847.0	0.0	0.0	T PULLED 1303 hr
D. Init Flow	302.0	307.0	296.0	0.0	0.0	T OUT 1505 hr
E. Final Flow	356.0	360.0	364.0	0.0	0.0	
F. Fl Shut-in	811.0	800.0	806.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1770.0	1767.0	1780.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 22000.00 lbs
						Wt Pulled Loose 67000.00 lbs
						Initial Str Wt 60000.00 lbs
						Unseated Str Wt 65000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 248.00 ft
						D.P. Length 3512.00 ft

RECOVERY

Tot Fluid 780.00 ft of 248.00 ft in DC and 532.00 ft in DP
25.00 ft of Clean oil - 100% oil
250.00 ft of Slightly oil cut muddy water -
3% oil, 92% water, 5% mud
505.00 ft of Muddy water - 95% water, 5% mud
14.00 ft of Pay (est)

RW .79 @ 65 F

SALINITY 55000.00 P.P.M. A.P.I. Gravity 34.20

BLOW DESCRIPTION

Initial Flow -
Strong blow, bottom of bucket in 2 min

Initial Shutin -
Weak blow, .25" - .5"

Final Flow -
Strong blow, bottom of bucket in
12 min

SAMPLES: NONE
SENT TO:

Test Successful: Y

MUD DATA-----
Mud Type CHEMICAL
Weight 9.20 lb/c
Vis. 45.00 S/L
W.L. 7.00 in3
F.C. 0.20 in
Mud Drop N
Amt. of fill 1.00 ft
Btm. H. Temp. 120.00 F
Hole Condition GOOD
% Porosity 12.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00 N
Cushion Type NONE
Reversed Out N
Tool Chased N
Tester GARY PEVOTEAUX
Co. Rep. STEVE DAVIS
Contr. MALLARD J.V.
Rig # 1
Unit #
Pump T.

TEST HISTORY

8946 DST#2 HOLOPIREK#1-31 CROSS BAR PETL. INC.

Flag Points

t (Min.) P (PSig)

A: 0.00 1802.51
 B: 0.00 145.02
 C: 28.00 285.79
 D: 60.00 847.24
 E: 0.00 295.75
 F: 30.00 363.73
 G: 61.00 806.29
 Q: 0.00 1779.85

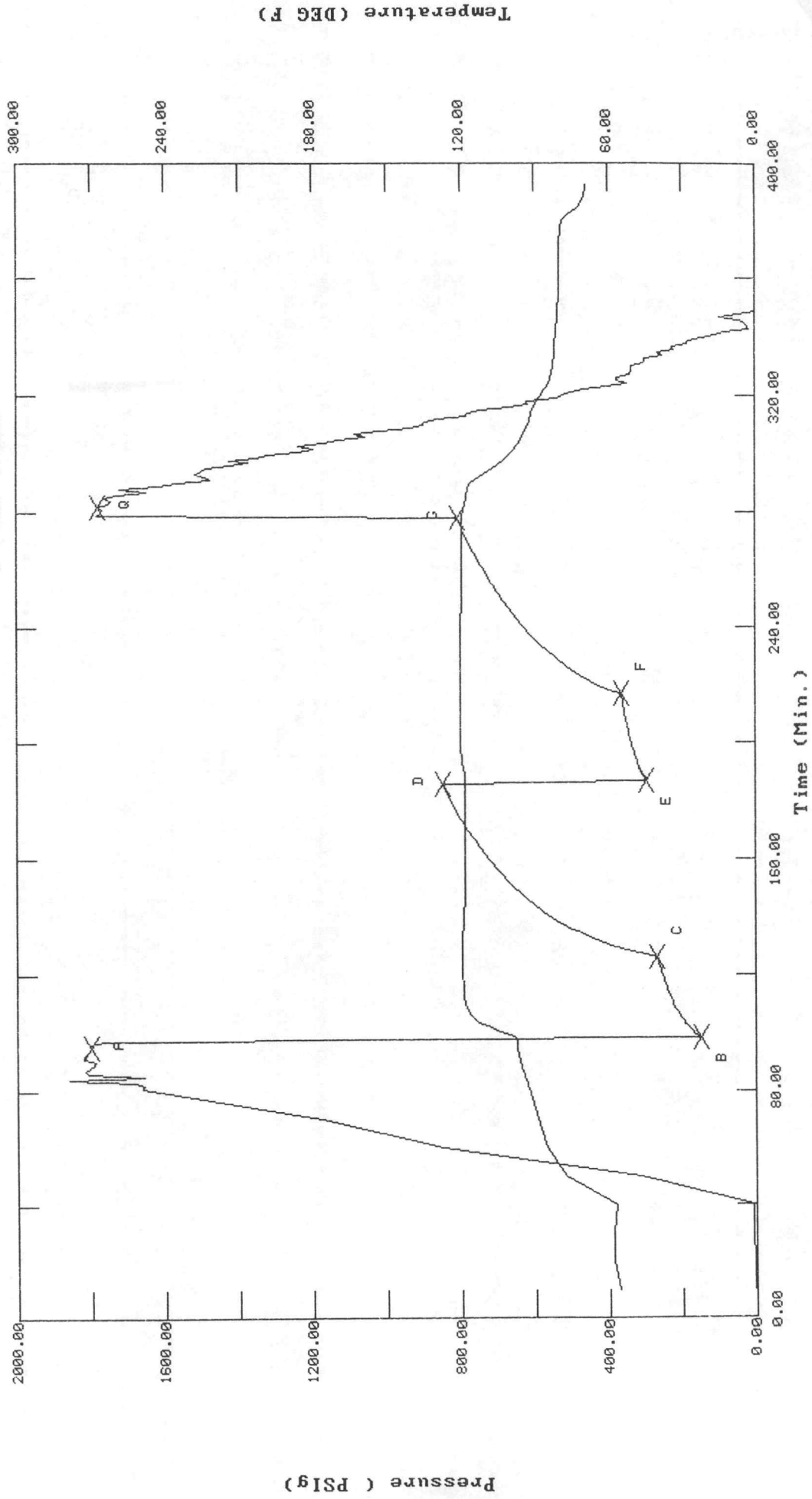
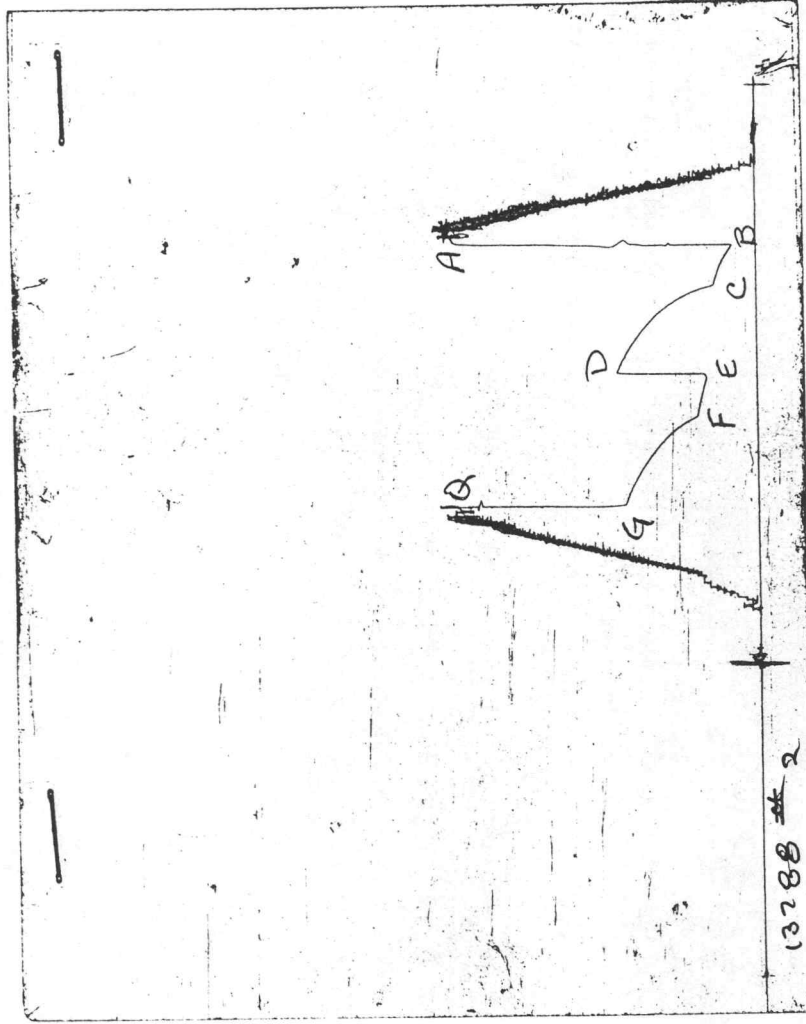


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8946 DST#2 HOLOPIREK#1-31 CROSS BAR PETL.INC.

DATE: 03/28/96

TIME: 08:24:03

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	95.00	1802.5	0.0	97.09		
***** Start Flow 1	0.00	145.0	0.0	97.97		
	1.00	162.1	17.1	100.34		
	2.00	167.8	22.8	103.52		
	3.00	175.3	30.3	106.67		
	4.00	182.8	37.8	109.39		
	5.00	189.9	44.9	111.61		
	6.00	192.1	47.1	113.36		
	7.00	198.1	53.0	114.72		
	8.00	203.3	58.2	115.75		
	9.00	208.0	63.0	116.56		
	10.00	212.8	67.8	117.17		
	11.00	216.9	71.8	117.63		
	12.00	220.8	75.8	117.98		
	13.00	224.2	79.2	118.25		
	14.00	228.0	83.0	118.45		
	15.00	231.3	86.3	118.61		
	16.00	234.3	89.3	118.73		
	17.00	237.3	92.2	118.83		
	18.00	240.4	95.4	118.90		
	19.00	243.2	98.2	118.95		
	20.00	246.0	101.0	118.98		
	21.00	248.6	103.6	119.02		
	22.00	251.2	106.2	119.06		
	23.00	254.0	108.9	119.09		
	24.00	256.5	111.5	119.12		
	25.00	258.8	113.8	119.15		
	26.00	261.2	116.2	119.16		
	27.00	263.5	118.5	119.18		
***** End Flow 1	28.00	265.8	120.8	119.19		
***** Start Shutin 1	0.00	265.8	0.0	119.19	0.0000	0.071
	1.00	295.8	30.0	119.19	29.0000	0.088
	2.00	333.9	68.1	119.18	15.0000	0.112
	3.00	363.8	98.0	119.17	10.3333	0.132
	4.00	389.3	123.5	119.15	8.0000	0.152
	5.00	411.8	146.0	119.13	6.6000	0.170
	6.00	432.1	166.3	119.11	5.6667	0.187
	7.00	450.4	184.6	119.09	5.0000	0.203
	8.00	467.4	201.6	119.07	4.5000	0.218
	9.00	483.3	217.5	119.04	4.1111	0.234
	10.00	498.3	232.5	119.00	3.8000	0.248
	11.00	512.4	246.6	118.95	3.5455	0.263
	12.00	525.7	259.9	118.89	3.3333	0.276
	13.00	538.5	272.7	118.81	3.1538	0.290
	14.00	550.6	284.9	118.72	3.0000	0.303
	15.00	562.2	296.4	118.63	2.8667	0.316
	16.00	573.5	307.7	118.54	2.7500	0.329
	17.00	584.3	318.5	118.46	2.6471	0.341
	18.00	594.6	328.8	118.37	2.5556	0.354
	19.00	604.6	338.8	118.29	2.4737	0.366
	20.00	614.3	348.5	118.22	2.4000	0.377

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 8946 DST#2 HOLOPIREK#1-31 CROSS BAR PETL.INC.
 DATE: 03/28/96 TIME: 08:24:03

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	21.00	623.6	357.8	118.15	2.3333	0.389
	22.00	632.6	366.8	118.10	2.2727	0.400
	23.00	641.2	375.4	118.05	2.2174	0.411
	24.00	649.7	383.9	118.02	2.1667	0.422
	25.00	657.8	392.0	117.98	2.1200	0.433
	26.00	665.8	400.0	117.95	2.0769	0.443
	27.00	673.4	407.6	117.92	2.0370	0.454
	28.00	681.0	415.2	117.91	2.0000	0.464
	29.00	688.3	422.5	117.89	1.9655	0.474
	30.00	695.3	429.5	117.88	1.9333	0.483
	31.00	702.2	436.4	117.88	1.9032	0.493
	32.00	709.0	443.2	117.87	1.8750	0.503
	33.00	715.5	449.7	117.88	1.8485	0.512
	34.00	721.9	456.1	117.88	1.8235	0.521
	35.00	728.1	462.4	117.89	1.8000	0.530
	36.00	734.3	468.5	117.91	1.7778	0.539
	37.00	740.2	474.4	117.92	1.7568	0.548
	38.00	745.9	480.2	117.94	1.7368	0.556
	39.00	751.6	485.9	117.95	1.7179	0.565
	40.00	757.2	491.4	117.97	1.7000	0.573
	41.00	762.6	496.8	117.99	1.6829	0.581
	42.00	767.9	502.1	118.01	1.6667	0.590
	43.00	773.1	507.3	118.02	1.6512	0.598
	44.00	778.2	512.4	118.03	1.6364	0.606
	45.00	783.1	517.3	118.03	1.6222	0.613
	46.00	788.0	522.2	118.04	1.6087	0.621
	47.00	792.9	527.1	118.04	1.5957	0.629
	48.00	797.5	531.7	118.03	1.5833	0.636
	49.00	802.0	536.2	118.02	1.5714	0.643
	50.00	806.5	540.7	118.01	1.5600	0.651
	51.00	810.9	545.1	118.01	1.5490	0.658
	52.00	815.3	549.5	117.99	1.5385	0.665
	53.00	819.5	553.8	117.98	1.5283	0.672
	54.00	823.7	557.9	117.95	1.5185	0.678
	55.00	827.8	562.0	117.94	1.5091	0.685
	56.00	831.7	565.9	117.92	1.5000	0.692
	57.00	835.7	570.0	117.91	1.4912	0.698
	58.00	839.6	573.8	117.89	1.4828	0.705
	59.00	843.5	577.7	117.88	1.4746	0.711
***** End Shut-in 1	60.00	847.2	581.5	117.86	1.4667	0.718
***** Start Flow 2	0.00	295.8	0.0	117.85		
	1.00	296.5	0.8	117.89		
	2.00	301.0	5.2	118.10		
	3.00	305.9	10.2	118.40		
	4.00	310.6	14.9	118.71		
	5.00	314.3	18.5	118.97		
	6.00	317.7	21.9	119.19		
	7.00	320.6	24.8	119.37		
	8.00	323.6	27.9	119.50		
	9.00	326.1	30.4	119.60		
	10.00	328.6	32.8	119.68		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8946 DST#2 HOLOPIREK#1-31 CROSS BAR PETL.INC.

DATE: 03/28/96

TIME: 08:24:03

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	11.00	330.8	35.0	119.74		
	12.00	332.9	37.2	119.78		
	13.00	335.0	39.3	119.80		
	14.00	337.3	41.5	119.82		
	15.00	339.3	43.6	119.83		
	16.00	341.2	45.4	119.84		
	17.00	343.0	47.3	119.85		
	18.00	344.7	48.9	119.86		
	19.00	346.4	50.7	119.86		
	20.00	348.2	52.5	119.87		
	21.00	349.8	54.0	119.85		
	22.00	351.7	56.0	119.85		
	23.00	353.3	57.6	119.85		
	24.00	354.9	59.2	119.85		
	25.00	356.4	60.7	119.86		
	26.00	357.9	62.2	119.86		
	27.00	359.5	63.7	119.87		
	28.00	360.9	65.1	119.87		
	29.00	362.3	66.6	119.87		
***** End Flow 2	30.00	363.7	68.0	119.86		
***** Start Shutin 2	0.00	363.7	0.0	119.86	0.0000	0.132
	1.00	397.0	33.2	119.87	59.0000	0.158
	2.00	416.5	52.8	119.87	30.0000	0.173
	3.00	433.1	69.3	119.88	20.3333	0.188
	4.00	447.9	84.2	119.88	15.5000	0.201
	5.00	461.6	97.9	119.88	12.6000	0.213
	6.00	474.4	110.7	119.88	10.6667	0.225
	7.00	486.6	122.9	119.87	9.2857	0.237
	8.00	498.1	134.4	119.86	8.2500	0.248
	9.00	509.1	145.4	119.86	7.4444	0.259
	10.00	519.6	155.9	119.84	6.8000	0.270
	11.00	529.7	165.9	119.83	6.2727	0.281
	12.00	539.3	175.6	119.82	5.8333	0.291
	13.00	548.6	184.9	119.81	5.4615	0.301
	14.00	557.6	193.9	119.80	5.1429	0.311
	15.00	566.3	202.6	119.79	4.8667	0.321
	16.00	574.8	211.1	119.78	4.6250	0.330
	17.00	583.0	219.2	119.77	4.4118	0.340
	18.00	590.8	227.0	119.76	4.2222	0.349
	19.00	598.5	234.7	119.76	4.0526	0.358
	20.00	606.0	242.2	119.74	3.9000	0.367
	21.00	613.3	249.5	119.72	3.7619	0.376
	22.00	620.3	256.6	119.72	3.6364	0.385
	23.00	627.2	263.4	119.69	3.5217	0.393
	24.00	633.9	270.2	119.67	3.4167	0.402
	25.00	640.4	276.7	119.66	3.3200	0.410
	26.00	646.9	283.2	119.64	3.2308	0.418
	27.00	653.0	289.3	119.63	3.1481	0.426
	28.00	659.2	295.4	119.62	3.0714	0.434
	29.00	665.1	301.4	119.60	3.0000	0.442
	30.00	671.0	307.3	119.58	2.9333	0.450

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8946 DST#2 HOLOPIREK#1-31 CROSS BAR PETL.INC.

DATE: 03/28/96

TIME: 08:24:03

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	31.00	676.7	313.0	119.56	2.8710	0.458
	32.00	682.3	318.6	119.55	2.8125	0.466
	33.00	687.8	324.0	119.53	2.7576	0.473
	34.00	693.2	329.4	119.52	2.7059	0.480
	35.00	698.4	334.7	119.50	2.6571	0.488
	36.00	703.6	339.9	119.49	2.6111	0.495
	37.00	708.7	344.9	119.47	2.5676	0.502
	38.00	713.5	349.8	119.46	2.5263	0.509
	39.00	718.5	354.8	119.45	2.4872	0.516
	40.00	723.3	359.5	119.44	2.4500	0.523
	41.00	728.0	364.2	119.42	2.4146	0.530
	42.00	732.6	368.9	119.41	2.3810	0.537
	43.00	737.1	373.4	119.40	2.3488	0.543
	44.00	741.6	377.8	119.38	2.3182	0.550
	45.00	746.0	382.3	119.36	2.2889	0.557
	46.00	750.3	386.6	119.36	2.2609	0.563
	47.00	754.6	390.9	119.35	2.2340	0.569
	48.00	758.8	395.0	119.33	2.2083	0.576
	49.00	762.9	399.2	119.32	2.1837	0.582
	50.00	766.9	403.2	119.31	2.1600	0.588
	51.00	770.9	407.1	119.29	2.1373	0.594
	52.00	774.8	411.1	119.28	2.1154	0.600
	53.00	778.7	414.9	119.27	2.0943	0.606
	54.00	782.5	418.8	119.25	2.0741	0.612
	55.00	786.2	422.5	119.25	2.0545	0.618
	56.00	789.9	426.2	119.23	2.0357	0.624
	57.00	793.6	429.9	119.22	2.0175	0.630
	58.00	797.1	433.3	119.21	2.0000	0.635
	59.00	800.6	436.8	119.20	1.9831	0.641
	60.00	804.1	440.4	119.18	1.9667	0.647
***** End Shut-in 2	61.00	806.3	442.6	119.17	1.9508	0.650
***** Final Hydro.	282.00	1779.8	0.0	118.20		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: HOLOPIREK #1-31

LOCATION : 31-18S-17W

TICKET No. 8946 D.S.T. No. 2 DATE 3-28-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 14

TOTAL TOOL 41

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STAND.Stands Single Total

D.P. ANCHOR STAND.Stands Single Total

TOTAL ASSEMBLY 41

D.C. ABOVE TOOLS.Stands4 Single 0 Total 248

D.P. ABOVE TOOLS.Stands56 Single 0 Total 3512

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3801

TOTAL DEPTH 3778

TOTAL DRILL PIPE ABOVE K.B. 23

REMARKS:

P.O. SUB	
C.O. SUB	3737
S.I. TOOL	3743
HMV	3748
JARS	3753
SAFETY JOINT	3755
PACKER	3759
PACKER	3764
DEPTH 3764	
STUBB 1'	3765
ANCHOR PERFS	
ALPINE REC.	3769
8 FT.PERFS TO	3773
T.C. DEPTH	
AK-1 REC.	3775
BULLNOSE 5 FT.PERFORATED T.D.	3778

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
WELL NAME: Holopirek #1-31
LOCATION : 31-18S-17W, Rush Cty KS
INTERVAL : 3690.00 To 3764.00 ft

DATE 3-29-96
KB 2003.00 ft TICKET NO: 8947 DST #3
GR 1998.00 ft FORMATION: ARBUCKLE
TD 3850.00 ft TEST TYPE: CONV STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 60 Rec.	10248	10248	2351	13788		PF Fr. 1010 to 1110 hr
SI 60 Range(Psi)	4400.0	4400.0	4995.0	4650.0	0.0	IS Fr. 1110 to 1210 hr
SF 30 Clock(hrs)	AK-1	AK-1	ALPIN	AK-1		SF Fr. 1210 to 1240 hr
FS 60 Depth(ft)	3760.0	3760.0	3697.0	3847.0	0.0	FS Fr. 1240 to 1340 hr

	Field	1	2	3	4	
A. Init Hydro	1832.0	1810.0	1814.0	0.0	0.0	T STARTED 0842 hr
B. First Flow	46.0	62.0	30.0	0.0	0.0	T ON BOTM 1008 hr
B1. Final Flow	48.0	64.0	37.0	0.0	0.0	T OPEN 1010 hr
C. In Shut-in	753.0	762.0	758.0	0.0	0.0	T PULLED 1342 hr
D. Init Flow	55.0	69.0	40.0	0.0	0.0	T OUT 1600 hr
E. Final Flow	55.0	71.0	44.0	0.0	0.0	
F. Fl Shut-in	764.0	778.0	779.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1766.0	1758.0	1759.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	O	O	I	T		Wt Set On Packer 22000.00 lbs
						Wt Pulled Loose 72000.00 lbs
						Initial Str Wt 60000.00 lbs
						Unseated Str Wt 60000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 248.00 ft
						D.P. Length 3447.00 ft

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP
20.00 ft of Slightly oil cut mud - 2% oil, 98% mud
clean oil at top of tool

10.00 ft of Pay (est)

SALINITY 8000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
Weak blow, .5"

Final Flow -
No blow

SAMPLES: NONE

SENT TO:

MUD DATA-----

Mud Type CHEMICAL
Weight 9.20 lb/ct
Vis. 49.00 S/L
W.L. 7.00 in3
F.C. 0.20 in
Mud Drop N

Amt. of fill 1.00 ft
Btm. H. Temp. 109.00 F
Hole Condition GOOD
% Porosity 10.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00 N
Cushion Type NONE
Reversed Out N
Tool Chased N
Tester GARY PEVOTEAUX
Co. Rep. STEVE DAVIS
Contr. MALLARD J.V.
Rig # 1
Unit #
Pump T.

Test Successful: Y

TEST HISTORY

8947 DST#3 HOLOPIREK#1-31 CROSS BAR PETL. INC.

Flag Points

t(Min.) P(PSig)

A: 0.00 1813.67
 B: 0.00 30.29
 C: 60.00 37.34
 D: 59.00 758.45
 E: 0.00 39.77
 F: 30.00 44.05
 G: 63.00 778.67
 Q: 0.00 1758.95

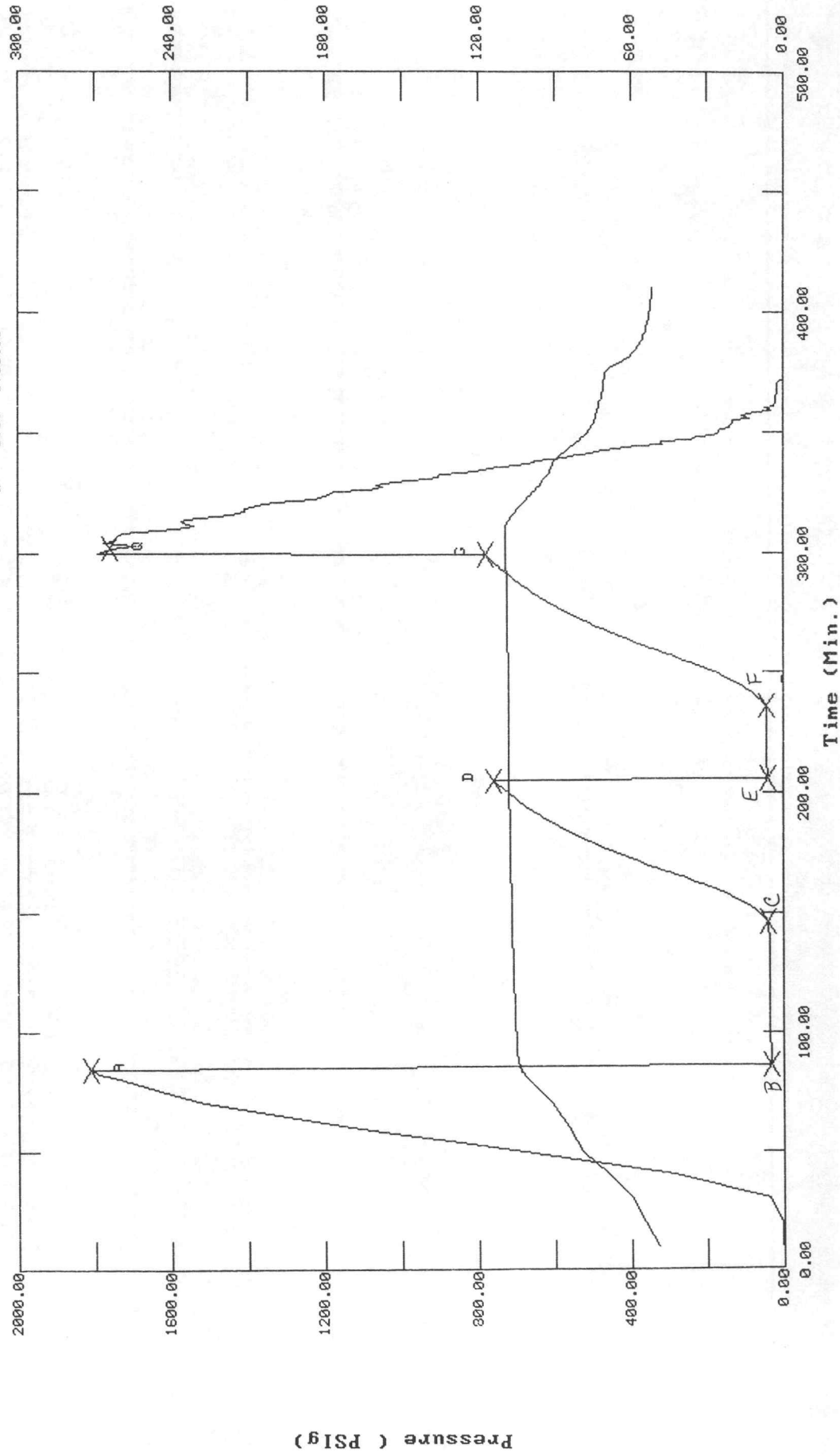
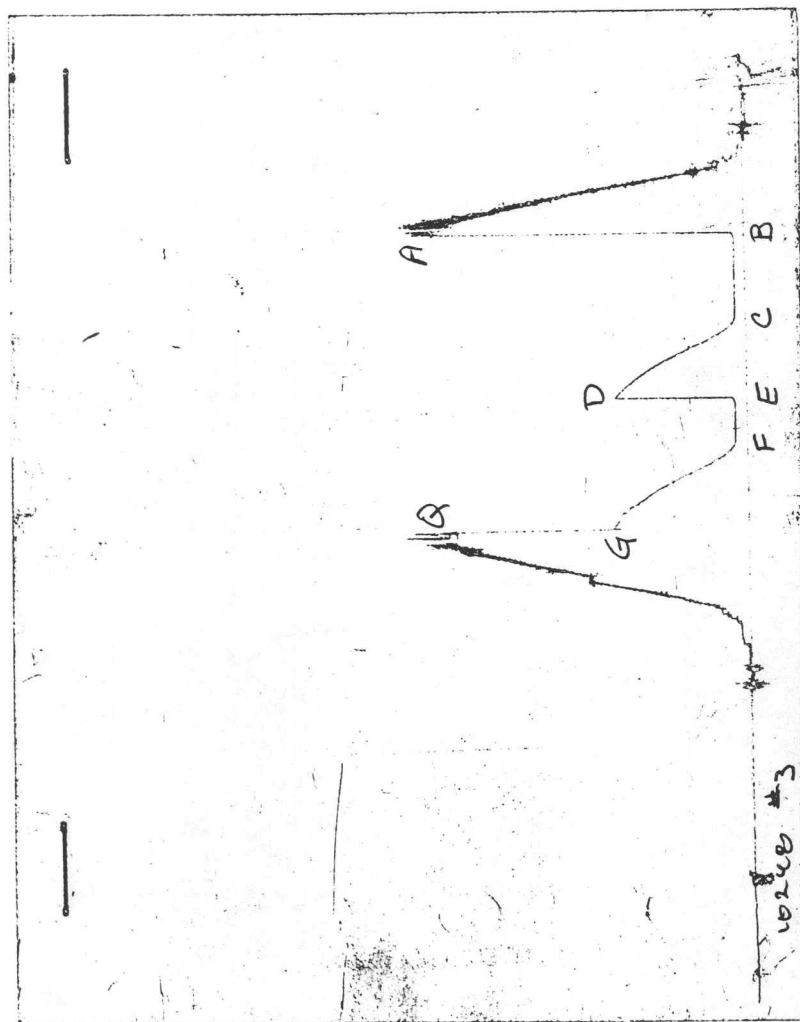
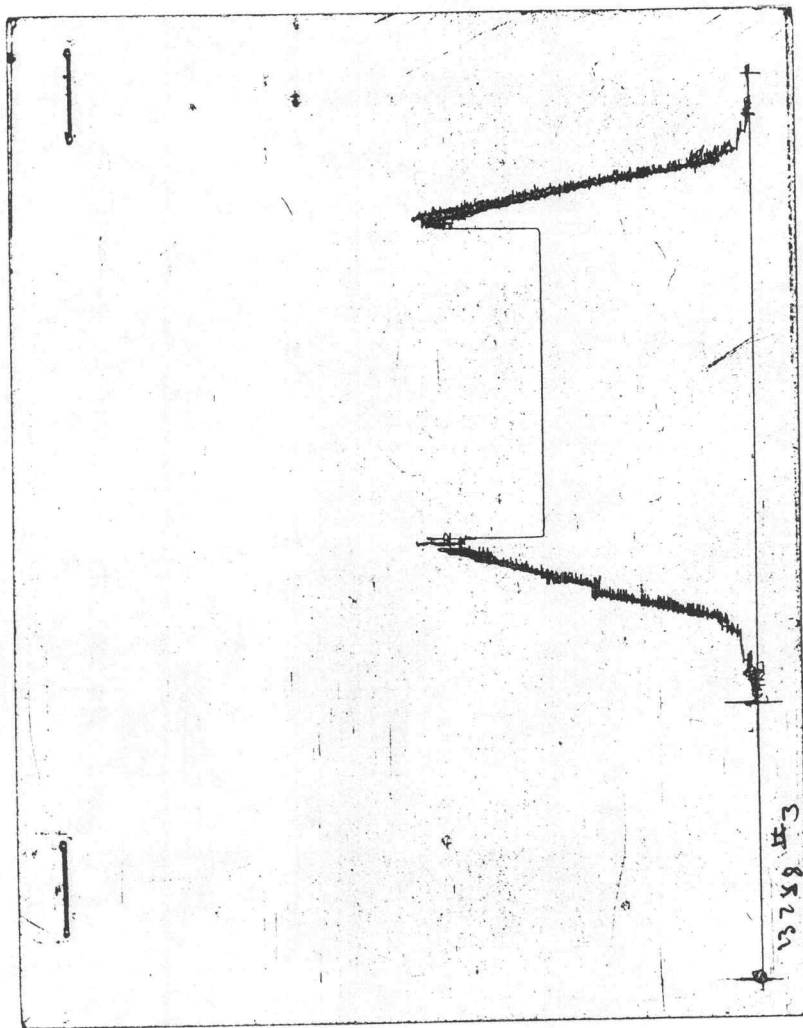


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 8947 DST#3 HOLOPIREK#1-31 CROSS BAR PETL.INC.
 DATE: 03/29/96 TIME: 08:42:21

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	84.00	1813.7	0.0	103.28		
***** Start Flow 1	0.00	30.3	0.0	103.94		
	1.00	30.5	0.2	104.16		
	2.00	30.8	0.5	104.34		
	3.00	31.0	0.8	104.49		
	4.00	31.3	1.0	104.60		
	5.00	31.5	1.3	104.70		
	6.00	31.8	1.5	104.78		
	7.00	32.0	1.7	104.84		
	8.00	32.1	1.8	104.90		
	9.00	32.4	2.1	104.96		
	10.00	32.6	2.3	105.00		
	11.00	32.6	2.3	105.05		
	12.00	33.0	2.7	105.10		
	13.00	33.0	2.7	105.14		
	14.00	33.1	2.9	105.18		
	15.00	33.3	3.0	105.22		
	16.00	33.6	3.4	105.27		
	17.00	33.8	3.5	105.31		
	18.00	33.9	3.6	105.34		
	19.00	34.2	3.9	105.37		
	20.00	34.2	3.9	105.41		
	21.00	34.4	4.1	105.45		
	22.00	34.5	4.2	105.49		
	23.00	34.7	4.4	105.53		
	24.00	34.7	4.4	105.57		
	25.00	34.7	4.4	105.60		
	26.00	34.8	4.5	105.64		
	27.00	34.9	4.6	105.68		
	28.00	35.0	4.7	105.71		
	29.00	34.9	4.6	105.75		
	30.00	35.1	4.8	105.79		
	31.00	35.0	4.7	105.82		
	32.00	35.2	4.9	105.85		
	33.00	35.0	4.7	105.89		
	34.00	35.2	4.9	105.92		
	35.00	34.9	4.6	105.95		
	36.00	34.7	4.4	105.99		
	37.00	34.6	4.3	106.01		
	38.00	35.0	4.7	106.05		
	39.00	35.0	4.7	106.08		
	40.00	34.8	4.5	106.12		
	41.00	34.9	4.6	106.14		
	42.00	35.2	4.9	106.17		
	43.00	35.2	4.9	106.21		
	44.00	35.1	4.8	106.24		
	45.00	35.3	5.0	106.27		
	46.00	35.5	5.2	106.30		
	47.00	35.5	5.2	106.33		
	48.00	35.4	5.1	106.35		
	49.00	35.4	5.1	106.38		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 8947 DST#3 HOLOPIREK#1-31 CROSS BAR PETL. INC.
 DATE: 03/29/96 TIME: 08:42:21

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	50.00	35.7	5.5	106.41		
	51.00	35.8	5.5	106.43		
	52.00	36.0	5.7	106.46		
	53.00	36.2	5.9	106.48		
	54.00	36.3	6.0	106.51		
	55.00	36.4	6.1	106.53		
	56.00	36.7	6.4	106.57		
	57.00	36.8	6.5	106.58		
	58.00	36.8	6.5	106.61		
	59.00	37.1	6.8	106.63		
***** End Flow 1	60.00	37.3	7.0	106.65		
***** Start Shutin 1	0.00	37.3	0.0	106.65	0.0000	0.001
	1.00	43.7	6.4	106.67	61.0000	0.002
	2.00	49.3	12.0	106.69	31.0000	0.002
	3.00	55.1	17.8	106.71	21.0000	0.003
	4.00	62.3	24.9	106.74	16.0000	0.004
	5.00	70.1	32.7	106.75	13.0000	0.005
	6.00	78.4	41.0	106.77	11.0000	0.006
	7.00	87.7	50.4	106.80	9.5714	0.008
	8.00	97.9	60.5	106.82	8.5000	0.01
	9.00	108.9	71.6	106.84	7.6667	0.012
	10.00	121.1	83.8	106.86	7.0000	0.015
	11.00	134.2	96.9	106.89	6.4545	0.018
	12.00	148.3	111.0	106.91	6.0000	0.022
	13.00	163.1	125.8	106.93	5.6154	0.027
	14.00	178.6	141.3	106.95	5.2857	0.032
	15.00	195.0	157.6	106.98	5.0000	0.038
	16.00	211.8	174.5	107.00	4.7500	0.045
	17.00	229.0	191.7	107.02	4.5294	0.052
	18.00	246.7	209.4	107.04	4.3333	0.061
	19.00	264.7	227.4	107.07	4.1579	0.070
	20.00	282.4	245.1	107.08	4.0000	0.080
	21.00	300.3	262.9	107.10	3.8571	0.090
	22.00	318.2	280.9	107.12	3.7273	0.101
	23.00	336.0	298.6	107.15	3.6087	0.113
	24.00	353.5	316.2	107.17	3.5000	0.125
	25.00	370.8	333.4	107.19	3.4000	0.137
	26.00	387.7	350.4	107.21	3.3077	0.150
	27.00	404.4	367.0	107.23	3.2222	0.164
	28.00	420.5	383.1	107.25	3.1429	0.177
	29.00	436.5	399.2	107.27	3.0690	0.191
	30.00	451.9	414.5	107.29	3.0000	0.204
	31.00	467.1	429.8	107.31	2.9355	0.218
	32.00	481.9	444.6	107.33	2.8750	0.232
	33.00	496.4	459.1	107.35	2.8182	0.246
	34.00	510.4	473.0	107.37	2.7647	0.260
	35.00	523.9	486.5	107.39	2.7143	0.274
	36.00	536.9	499.5	107.40	2.6667	0.288
	37.00	549.4	512.0	107.43	2.6216	0.302
	38.00	561.6	524.2	107.44	2.5789	0.315
	39.00	573.6	536.3	107.46	2.5385	0.329

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 8947 DST#3 HOLOPIREK#1-31 CROSS BAR PETL.INC.
 DATE: 03/29/96 TIME: 08:42:21

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	40.00	585.6	548.2	107.48	2.5000	0.343
	41.00	597.1	559.7	107.50	2.4634	0.356
	42.00	608.3	571.0	107.51	2.4286	0.370
	43.00	619.1	581.8	107.53	2.3953	0.383
	44.00	629.9	592.5	107.55	2.3636	0.397
	45.00	640.1	602.8	107.57	2.3333	0.410
	46.00	650.1	612.8	107.58	2.3043	0.423
	47.00	659.8	622.5	107.60	2.2766	0.435
	48.00	669.4	632.1	107.61	2.2500	0.448
	49.00	678.5	641.2	107.63	2.2245	0.460
	50.00	687.4	650.0	107.65	2.2000	0.472
	51.00	696.2	658.8	107.66	2.1765	0.485
	52.00	704.6	667.2	107.68	2.1538	0.496
	53.00	712.9	675.5	107.69	2.1321	0.508
	54.00	721.0	683.7	107.71	2.1111	0.520
	55.00	728.8	691.5	107.73	2.0909	0.531
	56.00	736.5	699.2	107.74	2.0714	0.542
	57.00	744.0	706.7	107.75	2.0526	0.554
***** End Shut-in 1	58.00	751.4	714.1	107.76	2.0345	0.565
	59.00	758.4	721.1	107.78	2.0169	0.575
***** Start Flow 2	0.00	39.8	0.0	107.77		
	1.00	39.9	0.1	107.74		
	2.00	40.0	0.3	107.72		
	3.00	40.1	0.3	107.69		
	4.00	40.4	0.6	107.67		
	5.00	40.6	0.8	107.66		
	6.00	40.9	1.2	107.65		
	7.00	41.0	1.3	107.64		
	8.00	41.1	1.3	107.64		
	9.00	41.3	1.5	107.65		
	10.00	41.5	1.7	107.65		
	11.00	41.5	1.8	107.66		
	12.00	41.6	1.8	107.66		
	13.00	41.8	2.0	107.66		
	14.00	41.9	2.1	107.67		
	15.00	42.0	2.3	107.68		
	16.00	42.2	2.4	107.68		
	17.00	42.0	2.3	107.69		
	18.00	42.1	2.3	107.69		
	19.00	42.2	2.4	107.70		
	20.00	42.5	2.8	107.71		
	21.00	42.6	2.9	107.72		
	22.00	42.8	3.0	107.72		
	23.00	42.3	2.5	107.73		
	24.00	42.8	3.0	107.74		
	25.00	43.0	3.2	107.75		
	26.00	43.0	3.3	107.76		
	27.00	43.1	3.4	107.77		
	28.00	43.1	3.4	107.78		
	29.00	42.9	3.1	107.79		
***** End Flow 2	30.00	44.1	4.3	107.80		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8947 DST#3 HOLOPIREK#1-31 CROSS BAR PETL.INC.

DATE: 03/29/96

TIME: 08:42:21

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Start Shutin 2	0.00	44.1	0.0	107.80	0.0000	0.002
	1.00	50.0	6.0	107.81	91.0000	0.003
	2.00	55.8	11.7	107.82	46.0000	0.003
	3.00	62.0	18.0	107.83	31.0000	0.004
	4.00	68.8	24.8	107.84	23.5000	0.005
	5.00	76.1	32.1	107.86	19.0000	0.006
	6.00	84.3	40.2	107.88	16.0000	0.007
	7.00	93.2	49.1	107.89	13.8571	0.009
	8.00	102.6	58.6	107.90	12.2500	0.011
	9.00	113.2	69.2	107.93	11.0000	0.013
	10.00	124.7	80.7	107.95	10.0000	0.016
	11.00	137.0	92.9	107.97	9.1818	0.019
	12.00	150.1	106.0	107.99	8.5000	0.023
	13.00	164.2	120.1	108.01	7.9231	0.027
	14.00	178.8	134.8	108.03	7.4286	0.032
	15.00	194.5	150.4	108.05	7.0000	0.038
	16.00	210.6	166.5	108.08	6.6250	0.044
	17.00	227.4	183.3	108.09	6.2941	0.052
	18.00	244.3	200.3	108.11	6.0000	0.060
	19.00	261.5	217.5	108.13	5.7368	0.068
	20.00	278.9	234.8	108.15	5.5000	0.078
	21.00	296.3	252.3	108.18	5.2857	0.088
	22.00	313.7	269.7	108.19	5.0909	0.098
	23.00	331.1	287.0	108.22	4.9130	0.110
	24.00	348.3	304.2	108.24	4.7500	0.121
	25.00	365.3	321.3	108.26	4.6000	0.133
	26.00	381.9	337.9	108.28	4.4615	0.146
	27.00	398.5	354.4	108.30	4.3333	0.159
	28.00	414.7	370.6	108.32	4.2143	0.172
	29.00	430.5	386.5	108.34	4.1034	0.185
	30.00	446.0	401.9	108.36	4.0000	0.199
	31.00	460.9	416.9	108.38	3.9032	0.212
	32.00	475.7	431.6	108.40	3.8125	0.226
	33.00	490.0	446.0	108.41	3.7273	0.240
	34.00	503.9	459.8	108.44	3.6471	0.254
	35.00	517.5	473.4	108.45	3.5714	0.268
	36.00	530.7	486.6	108.47	3.5000	0.282
	37.00	543.5	499.5	108.48	3.4324	0.295
	38.00	556.0	512.0	108.50	3.3684	0.309
	39.00	568.3	524.2	108.52	3.3077	0.323
	40.00	580.1	536.0	108.54	3.2500	0.337
	41.00	591.6	547.5	108.56	3.1951	0.350
	42.00	602.7	558.6	108.57	3.1429	0.363
	43.00	613.5	569.5	108.59	3.0930	0.376
	44.00	624.0	579.9	108.61	3.0455	0.389
	45.00	634.2	590.2	108.62	3.0000	0.402
	46.00	644.4	600.3	108.64	2.9565	0.415
	47.00	654.1	610.1	108.65	2.9149	0.428
	48.00	663.5	619.5	108.67	2.8750	0.440
	49.00	672.8	628.7	108.69	2.8367	0.453
	50.00	681.7	637.6	108.71	2.8000	0.465

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 8947 DST#3 HOLOPIREK#1-31 CROSS BAR PETL.INC.
DATE: 03/29/96 TIME: 08:42:21

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	51.00	690.4	646.3	108.71	2.7647	0.477
	52.00	698.9	654.8	108.73	2.7308	0.488
	53.00	707.1	663.0	108.74	2.6981	0.500
	54.00	715.1	671.1	108.74	2.6667	0.511
	55.00	722.9	678.8	108.78	2.6364	0.523
	56.00	730.5	686.4	108.79	2.6071	0.534
	57.00	737.9	693.8	108.81	2.5789	0.544
	58.00	745.1	701.0	108.82	2.5517	0.555
	59.00	752.2	708.2	108.83	2.5254	0.566
	60.00	759.1	715.1	108.84	2.5000	0.576
	61.00	765.7	721.7	108.86	2.4754	0.586
	62.00	772.3	728.2	108.87	2.4516	0.596
***** End Shut-in 2	63.00	778.7	734.6	108.88	2.4286	0.606
***** Final Hydro.	302.00	1759.0	0.0	109.05		

*** TOOL DIAGRAM *** CONV STRADDLE

WELL NAME: Holopirek #1-31	P.O. SUB	
	C.O. SUB	3663
LOCATION : 31-18S-17W, Rush Cty KS	S.I. TOOL	3669
TICKET No. 8947 D.S.T. No. 3 DATE 3-29-96		
TOTAL TOOL TO BOTTOM OF TOP PACKERS 27	HMV	3674
INTERVAL TOOL 13		
BOTTOM PACKERS AND ANCHOR 25	JARS	3679
TOTAL TOOL 65		
DRILL COLLAR ANCHOR IN INTERVAL		
D.C. ANCHOR STND.Stands Single Total	SAFETY JOINT	3681
D.P. ANCHOR STND.Stands 2 Single Total 122	PACKER	3685
TOTAL ASSEMBLY 187	PACKER	3690
D.C. ABOVE TOOLS.Stands4 Single 0 Total 248	DEPTH 3690	
D.P. ABOVE TOOLS.Stands55 Single 0 Total 3447	STUBB 1'	3691
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3882	ANCHOR	
	3 FT. PERFS	3694
TOTAL DEPTH 3850	ALPINE REC.	3697
TOTAL DRILL PIPE ABOVE K.B. 32		
REMARKS:	1 STD.DRILL PIPE	
	TO	3755
	AK-1 REC.AT	3760
	PERFS AND SUB TO	3761
	T.C.	3763
	DEPTH 3764	
	3764	
	STUBB & PERFS TO	3781
	1 STD.DRILL PIPE	
	TO	3845
	AK-1 REC.	3847
	BULLNOSE 5 FT.PERFORATED	
	T.D.	3850